

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P199954

Luminaire Tested: **GAP-AF-02-LED-U-SL2-7030-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P199954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24287)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-02-LED-U-SL2-7030-1200-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10916.1 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



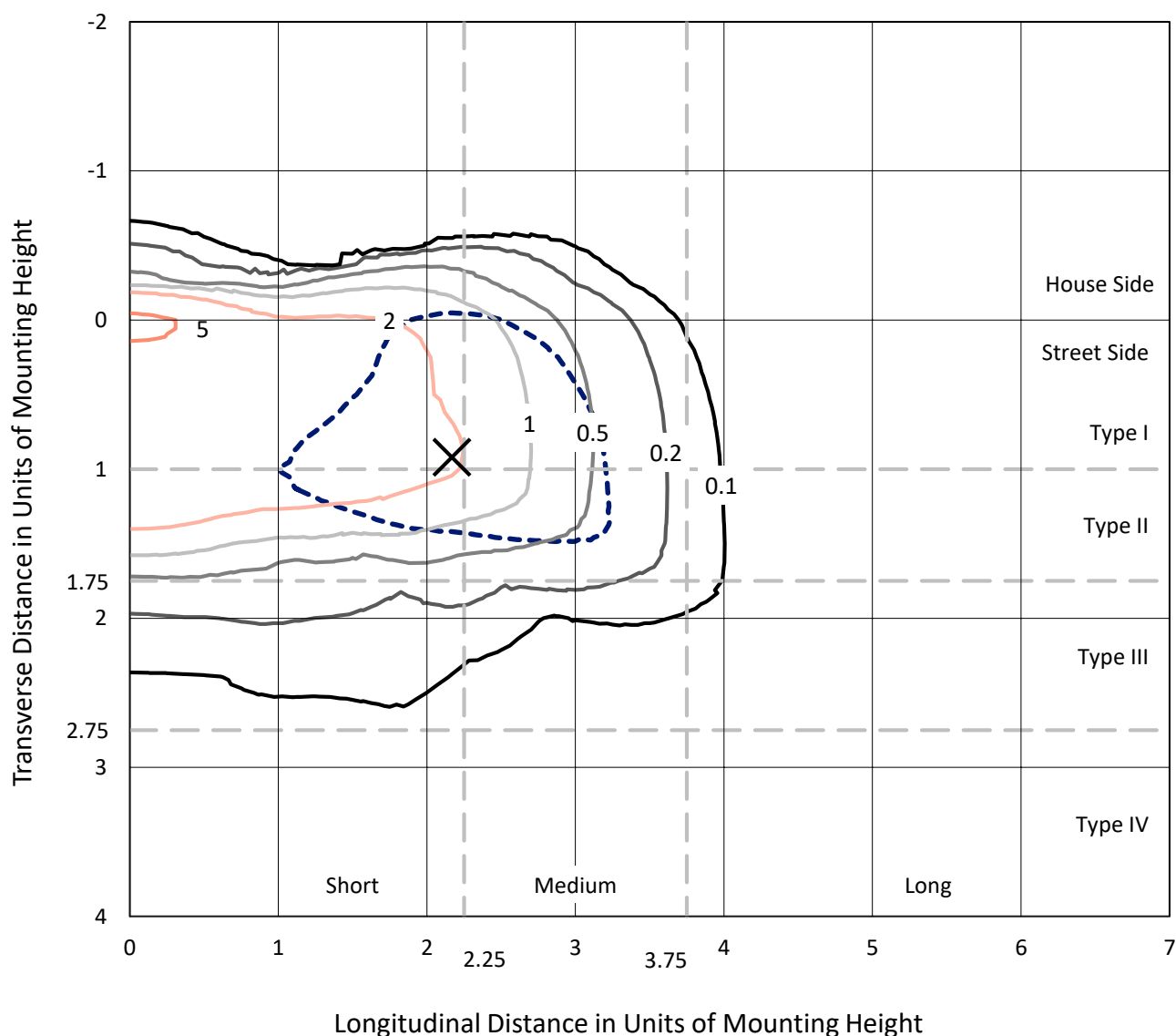
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

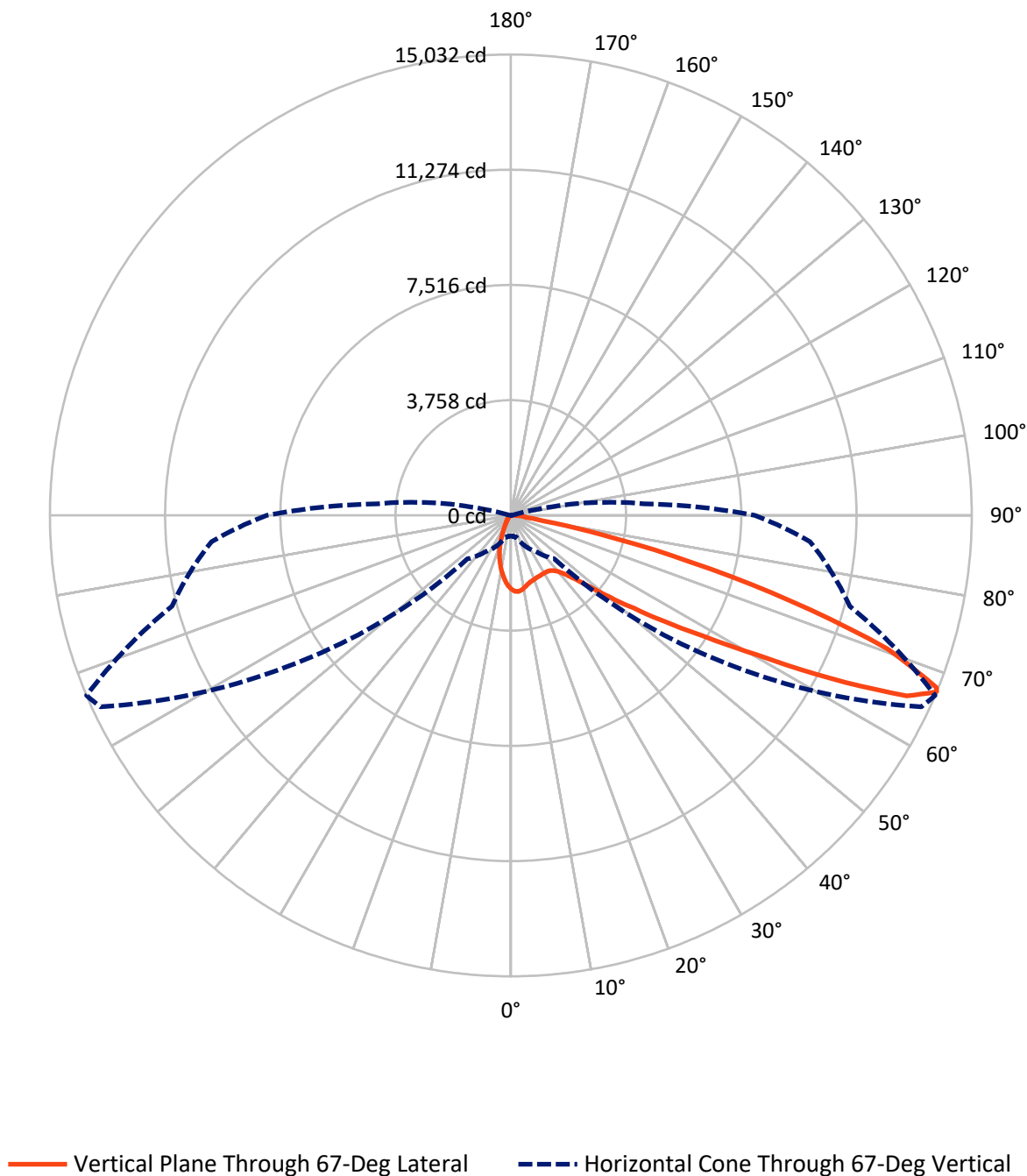


Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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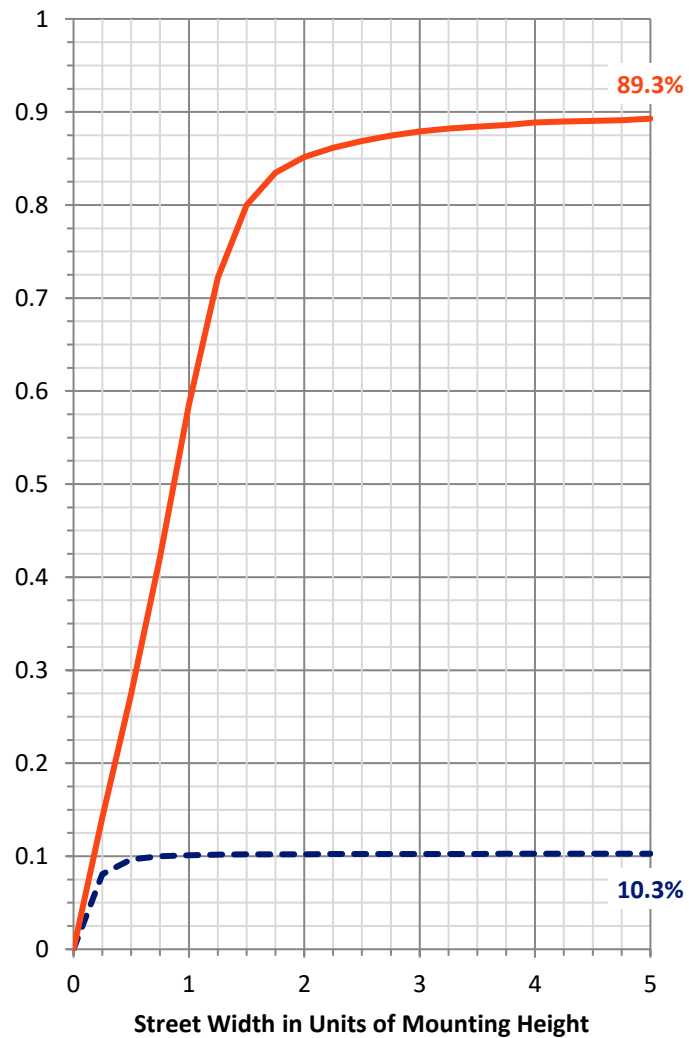
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1133.4	0.0	1133.4
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	9782.7	0.0	9782.7
	% Fixture	89.6	0.0	89.6
Total	Lumens	10916.1	0.0	10916.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.9	1.8
10°-20°	416.9	3.8
20°-30°	606.2	5.6
30°-40°	945.6	8.7
40°-50°	1675.2	15.3
50°-60°	2650.8	24.3
60°-70°	3036.1	27.8
70°-80°	1259.3	11.5
80°-90°	130.1	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10916.1	100.0
0°-180°	10916.1	100.0

Coefficient of Utilization



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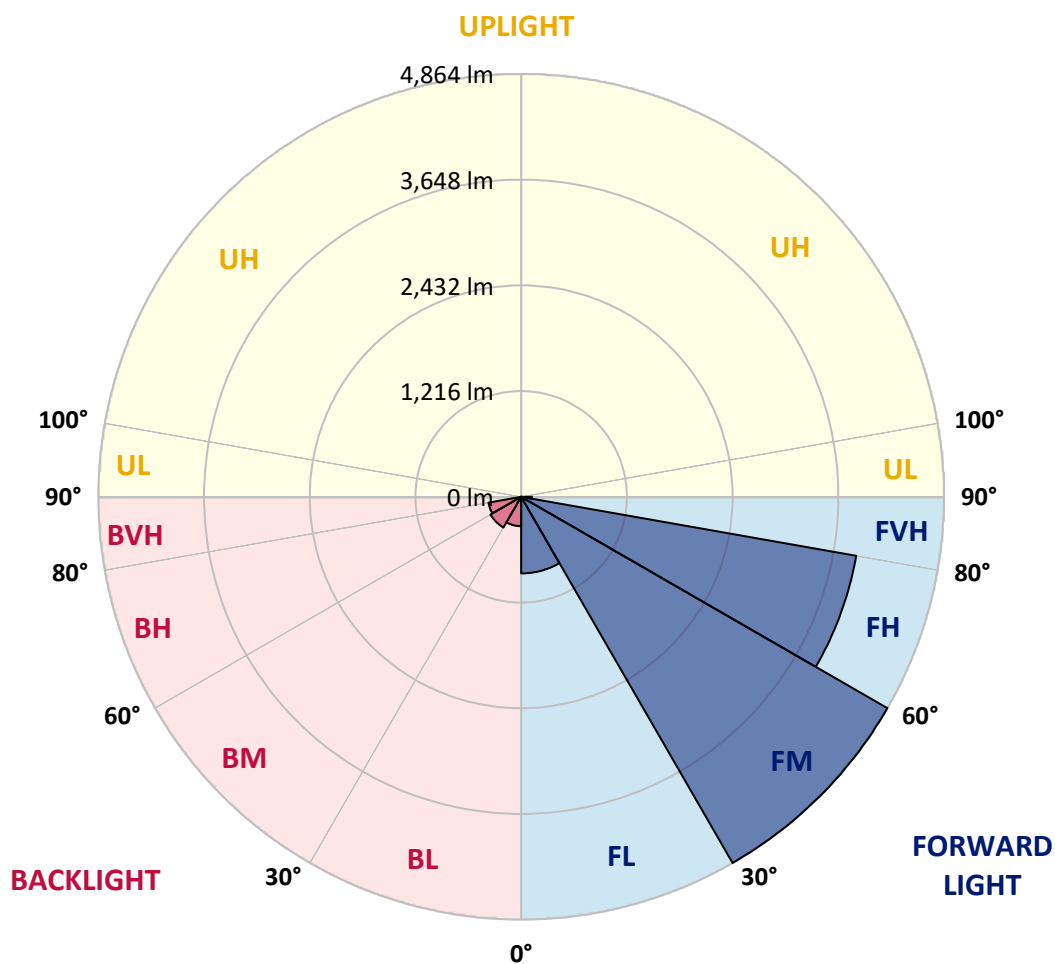
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	880.8	8.1			
FM	(30°-60°)	4864.2	44.6			
FH	(60°-80°)	3913.4	35.9			G2/5000
FVH	(80°-90°)	124.2	1.1			G2/225
BL	(0°-30°)	338.2	3.1	B1/500		
BM	(30°-60°)	407.3	3.7	B1/1000		
BH	(60°-80°)	382.0	3.5	B1/500		G1/500
BVH	(80°-90°)	5.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2407.4	2407.4	2407.4	2407.4	2407.4	2407.4	2407.4	2407.4	2407.4	2407.4	2407.4
2.5°	2488.9	2494.0	2493.4	2497.2	2506.1	2506.7	2497.7	2480.6	2476.8	2454.5	2415.7
5°	2295.3	2310.0	2318.9	2355.2	2395.9	2445.0	2482.0	2495.3	2493.4	2477.5	2418.9
7.5°	2074.4	2089.0	2099.2	2141.9	2196.0	2280.0	2376.2	2455.2	2462.1	2479.3	2416.3
10°	1927.4	1929.8	1943.8	1984.5	2041.3	2127.3	2241.9	2380.0	2401.1	2464.1	2409.9
12.5°	1806.4	1808.2	1826.7	1870.6	1931.1	2017.7	2138.1	2297.9	2330.4	2445.0	2408.6
15°	1720.4	1727.4	1744.0	1789.7	1854.1	1940.0	2063.6	2237.4	2276.2	2438.0	2420.1
17.5°	1691.8	1699.4	1704.5	1737.5	1796.1	1880.3	2006.9	2198.0	2241.9	2441.8	2442.4
20°	1721.7	1727.4	1715.9	1724.2	1760.5	1835.7	1959.1	2164.2	2216.5	2446.2	2471.1
22.5°	1833.1	1835.7	1804.4	1768.2	1761.8	1803.3	1921.6	2137.4	2193.5	2458.4	2504.8
25°	2024.1	2019.6	1968.8	1890.4	1816.6	1797.5	1899.3	2120.8	2182.0	2471.1	2539.8
27.5°	2254.6	2261.0	2190.8	2076.9	1936.2	1835.7	1896.0	2113.8	2176.9	2479.9	2570.5
30°	2534.7	2543.7	2463.5	2320.1	2118.3	1929.8	1925.3	2112.6	2173.7	2474.2	2572.9
32.5°	2820.6	2831.5	2768.4	2620.7	2361.5	2087.7	1991.6	2126.6	2180.0	2454.5	2558.3
35°	3119.9	3135.2	3093.1	2966.4	2691.4	2315.8	2108.1	2169.3	2210.0	2452.7	2543.7
37.5°	3533.1	3547.1	3468.1	3333.8	3090.6	2621.3	2295.3	2249.5	2280.7	2483.1	2547.5
40°	4150.1	4148.1	3944.4	3738.8	3529.3	3009.8	2558.3	2394.6	2410.6	2575.5	2594.6
42.5°	4822.4	4819.2	4518.1	4205.5	4016.4	3487.9	2904.0	2645.5	2634.7	2745.4	2716.8
45°	5340.7	5340.0	5094.3	4742.2	4602.8	4036.7	3351.0	2994.5	2977.9	3021.8	2942.3
47.5°	5561.7	5565.4	5441.9	5194.3	5252.8	4779.1	3914.5	3500.0	3475.2	3457.3	3336.3
50°	5389.8	5397.4	5407.6	5359.1	5729.8	5776.9	4670.3	4212.5	4200.4	4120.8	3931.7
52.5°	4828.1	4867.1	4986.7	5140.2	5895.3	6734.5	5855.2	5097.5	5032.6	4948.0	4739.6
55°	3882.0	3924.7	4152.0	4524.4	5648.9	7363.5	7515.7	6238.4	6130.2	5877.5	5576.9
57.5°	2569.1	2635.4	2965.2	3438.8	4933.3	7464.8	9172.5	7822.0	7445.0	6753.0	6414.2
60°	1415.5	1479.1	1836.8	2266.0	3563.1	6964.3	10286.6	9883.7	9217.6	7731.6	7431.0
62.5°	871.7	906.1	1170.2	1569.5	2136.8	5496.8	10517.2	12474.4	11703.5	8991.6	8659.3
65°	694.1	708.6	837.9	1282.9	1532.0	3269.5	9772.9	14449.5	14192.2	10517.2	9758.8
67°	673.7	679.4	740.4	1101.6	1444.1	2004.4	8187.5	14771.1	15032.1	11440.4	9793.2
67.5°	678.1	684.5	742.4	1051.2	1441.5	1842.0	7641.1	14644.3	14974.2	11513.6	9641.0
70°	653.9	673.7	850.0	1050.5	1370.8	1530.6	4576.0	12688.4	13031.6	10698.0	8180.5
72.5°	231.7	233.0	367.3	850.0	1490.6	1547.2	2297.9	9301.7	9555.7	8183.6	5897.9
75°	137.5	117.1	122.3	241.9	1424.3	1502.7	1325.7	5943.7	6038.5	4689.4	2986.8
77.5°	94.8	82.8	85.3	107.0	542.5	1481.7	1053.1	3099.4	2998.3	1644.6	636.1
80°	54.1	47.7	51.0	93.6	197.4	1382.3	993.2	1256.9	1071.7	278.8	175.7
82.5°	28.6	24.1	29.3	77.0	137.5	861.5	995.2	607.4	481.4	94.2	119.7
85°	10.2	8.3	13.9	52.9	91.7	264.2	922.5	510.7	401.1	45.9	91.0
87.5°	1.8	1.8	5.7	21.7	36.9	80.9	545.6	303.0	203.1	27.5	62.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2407.4	2407.4	2407.4	2407.4	2407.4	2407.4	2407.4	2407.4	2407.4	2407.4	2407.4
2.5°	2399.8	2372.3	2335.4	2290.3	2236.7	2189.7	2154.6	2118.3	2110.7	2098.0	2096.0
5°	2383.8	2336.7	2245.1	2140.0	2028.0	1926.7	1844.6	1771.3	1738.9	1710.9	1707.6
7.5°	2360.3	2289.6	2133.7	1964.3	1789.1	1629.9	1495.0	1399.5	1311.6	1269.6	1263.2
10°	2332.9	2231.6	2008.1	1773.3	1531.3	1306.5	1105.9	937.9	836.1	775.5	767.9
12.5°	2307.4	2175.1	1880.3	1575.2	1253.6	953.2	695.3	534.9	427.9	384.6	379.4
15°	2295.3	2129.1	1760.5	1372.8	963.3	606.8	380.1	294.1	259.2	249.0	248.3
17.5°	2294.1	2090.3	1643.4	1163.3	674.9	352.7	247.7	226.0	219.1	216.5	216.5
20°	2293.5	2053.4	1526.3	946.1	428.6	234.9	206.3	201.1	196.1	193.0	193.0
22.5°	2300.5	2020.3	1404.0	724.6	270.0	190.3	181.5	176.4	170.0	165.5	164.9
25°	2307.4	1994.8	1279.1	515.7	195.5	165.5	156.7	149.5	140.7	134.9	134.4
27.5°	2308.7	1963.0	1145.5	345.2	163.7	144.5	133.1	122.3	112.1	106.3	105.7
30°	2289.6	1909.6	997.1	233.0	144.5	125.4	110.2	98.7	89.1	84.6	84.6
32.5°	2252.1	1843.3	834.0	175.7	128.6	107.6	91.0	80.2	73.9	72.0	71.3
35°	2218.3	1771.9	666.6	149.0	115.3	91.0	74.6	67.5	63.7	63.1	62.4
37.5°	2198.6	1714.8	509.3	134.9	102.4	76.4	63.1	57.9	56.0	54.7	55.4
40°	2213.8	1666.9	376.3	123.6	89.8	63.7	53.5	51.0	49.0	48.4	48.4
42.5°	2280.7	1658.7	279.4	113.3	77.7	52.9	46.4	44.6	43.2	42.6	43.2
45°	2456.4	1709.6	217.1	103.8	65.5	44.6	39.5	38.8	38.2	38.2	38.2
47.5°	2720.7	1814.6	180.9	93.0	54.7	38.2	34.4	33.8	33.1	33.8	33.8
50°	3168.3	2006.9	161.7	82.2	45.3	32.4	29.3	29.3	29.3	29.3	29.9
52.5°	3848.8	2385.1	149.0	71.3	36.9	27.5	24.8	24.8	25.4	25.4	26.1
55°	4607.3	2886.8	137.5	60.5	31.2	23.0	20.3	21.0	21.7	22.3	22.3
57.5°	5429.8	3442.6	128.0	49.7	26.8	18.5	17.2	17.8	18.5	19.7	19.7
60°	6422.5	4044.3	113.9	38.8	22.3	14.6	13.3	14.6	16.6	17.8	18.5
62.5°	7512.5	4626.4	96.1	30.6	18.5	11.5	10.8	13.3	16.0	17.2	17.8
65°	8257.5	4809.0	73.9	24.8	13.9	8.3	9.0	12.1	15.3	17.2	17.2
67°	7955.7	4360.2	60.5	21.0	11.5	6.3	8.3	12.1	15.3	16.6	17.2
67.5°	7746.3	4184.4	57.9	20.3	10.8	6.3	8.3	12.1	15.3	17.2	17.2
70°	6302.8	3143.4	48.4	15.3	9.0	5.7	7.0	11.5	14.6	16.6	16.6
72.5°	4379.3	1938.2	43.2	10.8	7.6	5.1	6.3	10.8	13.9	16.0	16.6
75°	2082.1	701.7	36.9	8.3	7.0	4.5	5.7	10.8	13.9	16.0	16.0
77.5°	424.7	163.1	29.9	7.0	5.7	4.5	5.1	10.2	13.3	15.3	15.3
80°	139.5	63.1	22.3	6.3	5.7	4.5	5.1	9.5	13.3	14.6	15.3
82.5°	100.6	31.8	14.6	6.3	5.7	4.5	4.5	9.5	12.8	14.6	14.6
85°	77.0	22.3	9.5	6.3	5.7	4.5	4.5	9.0	12.1	13.9	13.9
87.5°	51.0	9.0	7.6	6.3	5.7	4.5	4.5	9.0	11.5	13.3	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)